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Product Specifications

Catalogue Number	49632
Product	Fmoc-L-glutamic acid γ-tert-butyl ester Fmoc-L-Glu(OtBu)-OH hydrate Fmoc-L-glutamic acid 5-tert-butyl ester hydrate
CAS Number	204251-24-1, 71989-18-9
Molecular Formula	C ₂₄ H ₂₇ NO ₆ ·H ₂ O
Molecular Weight	443.49

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	80 - 100 °C
Elemental Analysis (Theory)	≤ 5% (C, H and N)
Water Content (Karl Fisher)	≤ 6%
Kaiser Test	≤ 0.05%
Optical Rotation	[α] _{D20} = -8.5 ± 2° (C=1 in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 1% (40 °C, 2 h)
¹H NMR	Conforms to structure
Chiral HPLC	≥ 99% (ee)
D-Enantiomer	≤ 1%
Purity by HPLC	≥ 99%
Purity by TLC	≥ 98%
Storage	Store at 0 - 8 °C

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For Laboratory Use Only